

the strait of Belle Isle and the east coasts of Newfoundland and spreads into the Atlantic, or follows the New England coast. It is estimated that icebergs travel at an average rate of 12 miles per day. But if the wind is blowing with the current the speed may reach 20 miles a day or more.

Icebergs can be easily seen during the day, except in foggy or stormy weather, but at night a vessel can sail quite close without the ice being detected. Science has not, up to the present, devised any certain means of locating the presence of ice. Barometric and temperature changes are not certain indications. The greatest help the mariner has at present is afforded by the ice and meteorological charts issued by the United States government each year.

It is possible for ships to be constructed as to suffer little or no damage in ice collisions. The present whalers, sealers and other arctic vessels are practically ice

proof. One of them can crash into an iceberg at full speed and steer off or back away almost unharmed.

If the Atlantic passenger vessels continue to use the present sailing tracks means must be taken to similarly safeguard them.

Little attention was given to this important matter by the builders of the Titanic; they wanted to construct a gigantic floating palace of great speed. They succeeded, but the fate of the vessel indicates serious defects that will, perhaps, never be told.

Although the Titanic was provided with 15 water-tight compartments she had a double bottom which was not divided up. With her enormous momentum she would simply telescope on colliding with an iceberg. The bottom would give way and permit water to run into all her compartments. Something of this kind must have occurred.

SUNK BY ICEBERG FLEET

* Year.	Ship Lost.	Place.	Lives Lost.*
* 1863—	Canadian.....	Mid-Atlantic	45 *
* 1864—	Immigrant ship.....	Off Cape Race.....	158 *
* 1869—	Vicksburg.....	Off Cape Race.....	65 *
* 1878—	Warrior.....	Grand Banks	29 *
* 1881—	North Star.....	Cabot Strait	67 *
* 1887—	Medway.....	Off Newfoundland	29 *
* 1897—	Vaillant.....	Grand Banks	70 *
* 1898—	Snowbird.....	Cape Race	6 *
* 1900—	Endymion.....	Grand Banks	8 *
* 1901—	Islander.....	Off Alaska	67 *
* 1903—	Albatross.....	Mid-Atlantic	22 *
* 1912—	Titanic.....	Off Cape Race.....	1342 *